

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-014377

(43)Date of publication of application : 18.01.2000

(51)Int.Cl.

A24D 3/14

A24D 3/04

A24D 3/16

(21)Application number : 10-221006

(71)Applicant : HARADA HIROTSUGU

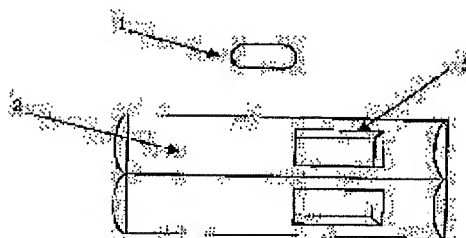
(22)Date of filing : 30.06.1998

(72)Inventor : HARADA HIROTSUGU
NAKAJIMA KOSEI

(54) FILTER FOR CIGARETTE WITH LIQUID CAPSULE

(57)Abstract:

PROBLEM TO BE SOLVED: To enjoy the perfume when smoking, and simultaneously reduce the content of nicotine and tar when smoking by the principal of a water pipe by burying a thin wall capsule encapsulating a liquid such as a perfume and a brandy in the interior of the filter of a cigarette, and destroying the capsule by the external pressure caused by fingertips or the like when smoking to allow the liquid in the capsule to penetrate into the filter.



SOLUTION: A thin wall capsule 1 encapsulating a liquid is buried in the interior of a filter 2. A pressure from the upper and lower sides of the filter 2 is added to the filter 2 to destroy the buried capsule encapsulating the liquid. The liquid in the interior of the destroyed capsule is allowed to penetrate into the filter 2 and the penetrated liquid reduces the contents of nicotine and tar. The perfume of the penetrated liquid is enjoyed when smoking.

[Detailed Description of the Invention]

[0001] An object of the present invention is to bury a thin film capsule encapsulating a liquid such as a perfume, brandy, menthol and water into the interior of a filter tip of a cigarette, and destroy this capsule by the external pressure caused by finger tips or the like at the time of smoking the cigarette so as to impregnate the filter tip with the liquid in the capsule for enjoying aroma thereof at the time of smoking the cigarette and simultaneously reducing a nicotine and tar intake at the time of smoking the cigarette based on the principle of water pipes. Conventionally, the nicotine and tar intake is reduced by improving a shape of the filter tip or the like. However, the principle of the water pipes is applied to reduce the nicotine and tar intake in comparison to the conventional method. Further, although a conventional aroma cigarette is already aromatic from the beginning, it is possible to select a method of destroying the capsule in the product of the present invention so as to impregnate the filter tip with the liquid for enjoying an effect of the liquid, and a method of not destroying the capsule and using the product of the present invention.

[0002]

[Technical Field to which the Invention Pertains] A thin film capsule encapsulating a liquid such as a perfume, brandy, water and menthol is buried into the interior of a filter tip of a cigarette, and this capsule is destroyed by the external pressure caused by finger tips or the like at the time of smoking the cigarette so as to impregnate the filter tip with the liquid in the capsule for reducing a nicotine and tar intake at the time of smoking the cigarette based on the principle of water pipes.

[0003]

[Conventional Art] The nicotine and tar intake at the time of smoking the cigarette is reduced by improving the shape, a material and the like of the filter tip and lowering a temperature of smoke at the time of smoking the cigarette.

[0004]

[Problems to be Solved by the Invention] The principle of water pipes is applied to reduce the nicotine and tar intake in comparison to the conventional method.

[0005]

[Means for Solving the Problems] A gap is provided in an interior structure of a filter tip so as to bury a liquid capsule.

[0006]

[Embodiments] A conventional aroma filter is already aromatic at the time of shipping. However, in the product of the present invention, a filter tip is impregnated with an aromatic liquid when a capsule is destroyed. Thus, it is possible to enjoy fresh aroma, and to smoke a cigarette without destroying the capsule in a case where nicotine, tar and the aroma are not required. A user can smoke the cigarette according to his/her preference.

.....